

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG2004/000413

A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl. ⁷ : C08B 37/16; C07B 53/00, 63/02; B01D 15/08		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Cyclodextrin, beta(w)cyclodextrin cation, mono(w)cation, ammonium, phosphonium, imidazolium, pyridinium, separat, resolution, resolve, enantio, chiral		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	US 2004/0106199 A1 (ELISEEV, A V) 3 June 2004 See page 2 column 2 paragraph 0011, Scheme 1, "Examples", example 4, claims 1-10	1-3, 7-8, 13
X	WO 1997/049735 A1 (QUEEN'S UNIVERSITY AT KINGSTON) 31 December 1997 See pages 2-3 and 5-6, example 1, claims 1-11	1-3, 5-8, 10-16, 21-22
X	JP 4-081401 (TOPPAN PRINTING CO LTD) 16 March 1992 See page 2 column 2 compound (4) & PAJ abstract	1-3, 7-8, 13-22
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search 14 February 2005		Date of mailing of the international search report 23 MAR 2005
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer CHRISTINE BREMERS Telephone No : (02) 6283 2313

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Abushoffa, A M et al, "Enhancement of selectivity and resolution in the enantioseparation of uncharged compounds using mixtures of oppositely charged cyclodextrins in capillary electrophoresis", Electrophoresis (2003) vol 24 pages 343-350 See abstract, page 343 column 2 paragraph 3-page 344 column 1 paragraph 1, Fig 1 compound B	1-3, 7-8, 13, 26-30
X	Galaverna, G et al, "Enantiomeric separation of chiral peptide nucleic acid monomers by capillary electrophoresis with charged cyclodextrins", Electrophoresis (2003) vol 24 pages 2698-2703 See abstract, page 2699 column 1 paragraph 3, page 2700 column 2 paragraph 3	1-3, 5, 10-11, 13, 26-30
X	Yamamura, H et al "Capillary zone electrophoretic chiral discrimination using a cationic cyclodextrin derivative: determination of velocity and association constants of each enantiomer of the amino acid derivative with 6-trimethylammonio-deoxy- β -cyclodextrin", Electrophoresis (2001) vol 22 pages 478-483 See abstract, page 478 column 2 paragraph 1, page 479 compound 1, page 482	1-3, 7-8, 13-17, 19-22, 26-30
X	Christian, A E et al, "Comparison of the capacity of β -cyclodextrin derivatives and cyclophanes to shuttle cholesterol between cells and serum lipoproteins", Journal of Lipid Research (1999) vol 40 pages 1475-1482 See Fig 1 last three compounds, page 1477 column 2 paragraphs 2, 4 and 5	1-3, 7-8, 13, 16-17, 19-22
X	Nair, Usha B et al "Evaluation of two amine-functionalized cyclodextrins as chiral selectors in capillary electrophoresis: comparisons to vancomycin", Microchemical Journal (1997) vol 57 pages 199-217 See abstract, page 200 paragraph 4, page 201 paragraph 1, Fig 1	1-3, 7-8, 13, 26-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG2004/000413

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
US	2004106199	WO	2004050709
WO	9749735	AU	31617/97
		CA	2257063
		US	5834446
JP	4081401	CA	2063454
		EP	0485614
		EP	0710672
		EP	0710673
		JP	4081402
		JP	6080706
		US	5241059
		WO	9118022
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.			
END OF ANNEX			